

is the reason of the composition by which whiteness was produced in this Experiment, and by what other way soever I made the like composition the result was whiteness.

Lastly, If with the Teeth of a Comb of a due size, the coloured Lights of the two Prisms which fall upon the space PT be alternately intercepted, that space PT, when the motion of the Comb is slow, will always appear coloured, but by accelerating the motion of the Comb so much, that the successive Colours cannot be distinguished from one another, it will appear white.

## EXPER. XIV.

Hitherto I have produced whiteness by mixing the Colours of Prisms. If now the Colours of natural Bodies are to be mingled, let Water a little thickned with Soap be agitated to raise a froth, and after that froth has stood a little, there will appear to one that shall view it intently various Colours every where in the surfaces of the several Bubbles; but to one that shall go so far off that he cannot distinguish the Colours from one another, the whole froth will grow white with a perfect whiteness.

## EXPER. XV.

Lastly, in attempting to compound a white by mixing the coloured Powders which Painters use, I considered that all coloured Powders do suppress and stop in them a very considerable part of the Light by which they

they are illuminated reflecting the Light and that of all colours they do not reflect copiously as white and a white Paper coloured Specter fraction of a Prism ment of the first acid than the red making rays more if they be held in Light reflected by the re And the like h And therefore b expect a strong a but some dusky mixture of light that is, a grey, Colours of a Ma dinary Stones, o ways, and the li often produced b one part of red L posed a dun Col two Colours wer that in both toge there was less re of the fulness of Lead, and four p lour verging a lit